Product specification

- field plug Cat.6A with multiport capability
- suitable for 10 GBits as per IEEE 802.3an
- eight-core RJ45 plug (can be assembled in the field) for AWG 22
- AWG 26/7-22/7, AWG 24/1-22/1 can be connected
- solid copper wire diameter 0.4 to 0.64 mm
- stranded copper wire diameter 0.48 to 0.76 mm
- core diameters up to 1.6 mm
- overall cable diameter from 5.5 to 8.5 mm
- plug consists of only two parts
- easy assembly without special tools
- on assembly the cable is physically secured to the loader part
- easily fitted cable strain relief
- cable strain relief can be snapped on as color coding after assembly
- industry-compatible zinc die-cast housing
- protected latch
- can be used as a test plug on the IP67 side of variants 1, 4, 5, 6 and 14
Technical Data

**General data**
- Dimensions L x W x H: 49.05 x 12.9 x 14.7 mm
- Cu-Conductor diameter
  - solid: 0.40 - 0.64 mm AWG 24/1 - AWG 22/1
  - stranded: 0.48 - 0.76 mm AWG 26/7 - AWG 22/7
- Insulation diameter: 0.85 - 1.6 mm
- Cable diameter: 5.5 - 8.5 mm

**Transmission Performance**
- Category: Cat.6 ANSI/TIA/EIA-568-B.2-10

**Standards**
- Generic cabling systems
  - ANSI/TIA/EIA-568-B.2-10
  - ISO/IEC 11801:2002
  - EN 50173-1:2007
  - ISO/IEC 24702:2006
  - DIN EN 61918 Draft 02.2007
- Connector
  - IEC 60603
  - UL Standard for Communication circuit Accessories
  - UL 1863
- Degrees of protection provided by enclosures (IP code)
  - UL 1863
  - IEC 60529

**Mechanical properties**
- Insertion force: ≤ 30 N
- Life: ≥ 750

**Material**
- Connector housing: GD-Zn purify
- Basic housing: PA UL94-V0
- Contact: Phosphor bronze
- Contact surface: Gold plating over nickel plating
- Shield: Brass
- Shield surface: nickel plating
- Cable strain relief: PA UL94-V0

**Protection against ingress**
- Particulate ingress: IP20

**Climatic properties**
- Temperature range: -40 °C bis +70 °C

**Electrical properties**
- Contact resistance: ≤ 20 mΩ
- Insulation resistance: ≥ 500 MΩ
- Voltage proof
  - Contact - contact: ≥ 1000 V DC
  - Contact - shield: ≥ 1500 V DC
- Current carrying capacity at 50 °C: 1 A
Dimensional drawing